

Topic	National Curriculum	Knowledge Musts	Skills		
Year 1 Science Seasonal Changes	<ul style="list-style-type: none">observe changes across the four seasonsobserve and describe weather associated with the seasons and how day length varies.	<ul style="list-style-type: none">Name the four seasons and describe the common differences between them.Identify and design weather symbols for the different types of weather they are likely to experience across the seasons.Take and record observations and measurements over time throughout the seasons including day length, temperature, rain/snow fall, wind strength and cloud conditions.Identify accompanying changes to plants and animals in their local environment throughout the seasons.Compare the seasons outlining similarities and differences.	<ul style="list-style-type: none">Ask simple questions about the world around us.Begin to recognise that they can be answered in different ways (different types of enquiry including - observing changes over time, noticing patterns, grouping and classifying, carrying out simple comparative tests, finding things out from secondary sources).Use simple observations and ideas to suggest answers to questionsTo observe simple changes over time and, with guidance, begin to notice patterns and relationships.Begin to record simple data.Begin to record and communicate their findings in a range of ways.		
Key vocabulary		Links to local, regional, national and global science	Linked reading	Cross curricular	Assessment opportunities
Seasons; spring, summer, autumn, winter Year, months, days Hot, warm, mild, cold Sunny Cloudy Rain, sleet, snow, hail, thunder, lightning, rainbow Wet, damp, dry Windy, breezy, gust Temperature Degrees Celsius Thermometer Weather vane Anemometer		What could happen to the eye if we look directly at the sun? link to the use of sunglasses and how they are used to partially protect the eye from the sun's rays. How does the weather differ in the north to the south of the UK? Why do we wear winter clothes in December but in Australia, they wear summer clothes?	Dorling Kindersley First Facts: Seasons by Marie Greenwood (2012) Thinking About the Seasons: Autumn by Clare Collinson (2013) Thinking About the Seasons: Winter by Clare Collinson (2013) Poems about Seasons by Brian Moses (2015) <u>Key Scientists</u> John Dalton (1766 - 1844) - Famous for amount of time he kept a weather diary for. Gabriel Fahrenheit (1686 - 1736) - Inventor of the first modern thermometer Inez Fung (1941 -) - Studies climate change.	DT - create a rain stick from tin foil. PE - use weather sounds/music as a stimulus for how they move. Think about fast, flowing movements for wind, quick, sharp steps for rain. Maths - Record rainfall in a simple table over a period. Find the difference between highest & lowest amount of rainfall.	Diagnostic test - rising stars. Prior learning task before the lesson to recap on prior knowledge (cold task, quiz) End of topic assessment - rising stars.
Links to previous learning			Links to future learning		
ELG - discussing the features of their environment and how they may vary from one another.			Year 3 - light focusing on shadows through the absence of light.		

